

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-010108**Date Inspected:** 10-Nov-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 645**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1845**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China

CWI Name:	NA	CWI Present:	Yes	No			
Inspected CWI report:	Yes	No	N/A	Rod Oven in Use:	Yes	No	N/A
Electrode to specification:	Yes	No	N/A	Weld Procedures Followed:	Yes	No	N/A
Qualified Welders:	Yes	No	N/A	Verified Joint Fit-up:	Yes	No	N/A
Approved Drawings:	Yes	No	N/A	Approved WPS:	Yes	No	N/A
				Delayed / Cancelled:	Yes	No	N/A
Bridge No:	34-0006	Component:	OBG				

Summary of Items Observed:

On this date Caltrans OSM Quality Assurance (QA) Inspector, Larry Viars was present during the times noted above for observations relative to the work being performed.

Bay 9-

This QA inspector performed conventional Ultrasonic (A scan) Inspection of tack weld locations on deck panel U rib welds. Indications located within the area of interest were marked and recorded for phased array evaluation. This QA inspector performed UT on deck panel DP3008-001 (12AE) and DP3010-001 (12AE). The following summary below shows total of tack weld locations scanned, amount of indications and the percentage of indications for tack welds inspected on the panel.

DP3008-001:

Weld 11, 31 tacks scanned with 3 indications
Weld 12, 31 tacks scanned with 9 indications
Weld 13, 31 tacks scanned with 5 indications
Weld 14, 31 tacks scanned with 13 indications
Weld 15, 31 tacks scanned with 3 indications
Weld 16, 31 tacks scanned with 4 indications

186 tacks scanned with 37 indications (19.89%)

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DP3010-001:

Weld 7, 31 tacks scanned with 7 indications

Weld 8, 31 tacks scanned with 14 indications

Weld 9, 31 tacks scanned with 6 indications

Weld 10, 31 tacks scanned with 5 indications

Weld 11, 31 tacks scanned with 7 indications

Weld 12, 31 tacks scanned with 13 indications

186 tacks scanned with 52 indications (27.95%)

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

Summary of Conversations:

Only general conversation between QA and QC occurred this date.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang, 150 0042 2372, who represents the Office of Structural Materials for your project.

Inspected By:	Viars,Larry	Quality Assurance Inspector
Reviewed By:	Dawson,Paul	QA Reviewer
